

AMENDMENTS

In the Claims:

Please amend claims 1-4 and add new claims 25-37.

1. A biological sample processing system, comprising:
a sample processing device including a reaction chamber having a first port; and
a biological sample carrier mated with the reaction chamber at the first port to form a
fluidic circuit.

2. The biological sample processing system of claim 1, wherein the sample
processing device further includes an extraction chamber.

3. The biological sample processing system of claim 1, wherein the sample
processing device further includes a dilution chamber.

4. The biological sample processing system of claim 1, wherein the sample
processing device includes a pump.

25. The biological sample processing system of claim 1, wherein the sample
processing device is a centrifuge tube.

26. The biological sample processing system of claim 1, wherein the sample
processing device is a laminated assembly.

27. The biological sample processing system of claim 1 wherein the sample
processing device is a laminated assembly and centrifuge tube.

28. A biological sample processing system, comprising:
a sample processing device including:
a first chamber having a first port and a second port; and
a second chamber fluidly coupled to the first chamber via the second port; and

*what is
2nd
chamber for?*

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a sample carrier fluidly coupled to the first chamber at the first port.

29. The biological sample processing system of claim 28, wherein the second port is a stop junction.

30. The biological sample processing system of claim 28, wherein the sample processing device includes a centrifuge tube.

31. A biological sample processing system, comprising:
a sample processing device including:
a first chamber having a first port, a second port and a third port;
a first conduit;
a second chamber fluidly coupled to the first chamber via the second port and the first conduit; and
a second conduit fluidly coupled to the first chamber via the third port; and
a sample carrier fluidly coupled to the first chamber at the first port.

32. The biological sample processing system of claim 31, wherein the second chamber is a fluid reservoir.

33. The biological sample processing system of claim 31, wherein the second chamber includes a pump.

34. The biological sample processing system of claim 31, wherein the sample processing device further includes a third chamber fluidly coupled to the first chamber via the second conduit.

35. The biological sample processing system of claim 31, wherein the sample processing device further includes a third conduit fluidly coupled to the third chamber.

36. The biological sample processing system of claim 31, wherein the sample processing device is a laminated assembly.

37. The biological sample processing system of claim 36, wherein the laminated assembly includes:

a first layer;

a second layer defining the second chamber, first conduit and second conduit;

a third layer defining a fill port and at least one stop junction hole; and

a fourth layer defining the first chamber;

wherein the second layer is located between the first layer and third layer; the third layer being located between the second layer and third layer.